Title (en)

WIRELESS COMMUNICATION SYSTEM FOR MONITORING OF SUBSEA WELL CASING ANNULI

Title (de)

DRAHTLOSES KOMMUNIKATIONSSYSTEM ZUR ÜBERWACHUNG VON UNTERWASSERBRUNNENRINGEN

Title (fr)

SYSTÈME DE COMMUNICATION SANS FIL POUR LA SURVEILLANCE DES ESPACES ANNULAIRES DE TUBAGES DE PUITS SOUS-MARINS

Publication

EP 2601544 A1 20130612 (EN)

Application

EP 10855695 A 20100805

Priority

US 2010002189 W 20100805

Abstract (en)

[origin: WO2012018322A1] A non-invasive wireless communication system for monitoring parameters existing within the casing annuli of a subsea hydrocarbon production system. The subsea hydrocarbon production system includes a wellhead housing mounted at the upper end of a well bore and a number of concentric well casings extending from the wellhead housing through the well bore, and the casing annuli are formed between successive ones of the wellhead housing and the well casings The monitoring system comprises an interrogation package which is adapted to wirelessly transmit and receive NFM and/or inductive signals and at least one sensing package which is located in one of the casing annuli and is adapted to wirelessly receive the signals from and transmit response signals to the interrogation package.

IPC 8 full level

G01V 3/00 (2006.01)

CPC (source: EP US)

E21B 47/001 (2020.05 - US); **E21B 47/13** (2020.05 - EP US)

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DOCDB simple family (publication)

WO 2012018322 A1 20120209; BR 112013002878 A2 20160531; EP 2601544 A1 20130612; EP 2601544 A4 20171129; EP 2601544 B1 20201104; SG 187247 A1 20130328; US 10267139 B2 20190423; US 2013269945 A1 20131017; US 2016341030 A1 20161124; US 9435190 B2 20160906

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US 2010002189 W 20100805; BR 112013002878 A 20100805; EP 10855695 A 20100805; SG 2013007190 A 20100805; US 201013812130 A 20100805; US 201615230404 A 20160806